DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (FOR INTEL CORPORATION PATENT APPLICATIONS)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

MECHANISM FOR HANDLING RACE CONDITIONS IN FRC-ENABLED PROCESSORS

the specification of which

| _X_ | is attached hereto. was filed on (MM/DD/YYYY) | as |
|-----|---|----------|
| | United States Application Number | <u>-</u> |
| | or PCT International Application Number | |
| | and was amended on (MM/DD/YYYY) | |
| | (if applicable) | |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application(s) | Į. | | | Priorit <u>Claim</u> | |
|--|--|---|---|--|------------------------|
| (Number) | (Country) | (Foreign F | Filing Date - /YYYY) | Yes | No |
| (Number) | (Country) | (Foreign Filing Date - MM/DD/YYYY) | | Yes | No |
| (Number) | (Country) | (Foreign Filing Date - MM/DD/YYYY) | | Yes | No |
| I hereby claim the benefit uprovisional application(s) lie | under Title 35, United State sted below: | es Code, Se | ection 119(e) of ar | ny United | States |
| Application Number | (Filing Date – M | M/DD/YYY | <u>Y)</u> | | |
| Application Number | (Filing Date – M | IM/DD/YYY | Y) | | |
| I hereby claim the benefit to application(s) listed below is not disclosed in the prior of Title 35, United States C known to me to be materia Section 1.56 which becam or PCT international filing of | and, insofar as the subjec r United States application Code, Section 112, I acknoul to patentability as define e available between the fil | t matter of a in the man owledge the d in Title 37 | each of the claims ner provided by the duty to disclose a Code of Federa | s of this ap ne first pai all informa I Regulatio | agraph tion ons, |
| Application Number | (Filing Date – MM/DD | - | Status patented pending | d, g, abando | ned |
| Application Number | (Filing Date – MM/DD |) <u>/YYYY)</u> – | Status patented pending | d, g, abando | ned |

| I hereby appoint the persons listed on Appendix A hereto part of this document) as my respective patent attorneys substitution and revocation, to prosecute this application and Trademark Office connected herewith. | and patent agents, with full power of and to transact all business in the Patent |
|--|---|
| Send correspondence to <u>Leo V. Novakoski</u> (Name of Attorney or Agen | , BLAKELY, SOKOLOFF, TAYLOR & |
| ZAFMAN LLP, 12400 Wilshire Boulevard 7th Floor, Letelephone calls to Leo V. Novakoski (Name of Attorney or Agent) | os Angeles, California 90025 and direct |
| I hereby declare that all statements made herein of n statements made on information and belief are belief statements were made with the knowledge that willful are punishable by fine or imprisonment, or both, und States Code and that such willful false statements mapplication or any patent issued thereon. | ved to be true; and further that these ul false statements and the like so made der Section 1001 of Title 18 of the United hay jeopardize the validity of the |
| Full Name of Sole/First Inventor <u>Andrew J. Honcharik</u> Inventor's Signature | |
| | |
| Residence Chandler, AZ (City, State) | Citizenship <u>USA</u> (Country) |
| Post Office Address 3842 S. Sage Court Chandler, AZ 85248 | |
| Full Name of Second/Joint Inventor Steven J. Tu | |
| Inventor's Signature | Date |
| | |
| Residence Phoenix, AZ (City, State) | (Country) |
| Post Office Address <u>3527 East Windmere Drive</u> <u>Phoenix, AZ 85048</u> | |
| Full Name of Third/Joint Inventor Hang T. Nguyen | |
| Inventor's Signature | Date |
| Residence <u>Tempe, AZ</u> (City, State) | Citizenship <u>USA</u> (Country) |
| • | |

| Full Name of Fourth/Joint Inventor Sujat Jamil | |
|---|----------------------------------|
| Inventor's Signature | Date |
| Residence Chandler, AZ (City, State) | Citizenship Bangladesh (Country) |
| Ol 47 05040 | |
| Full Name of Fifth/Joint Inventor Merrell Quinn | |
| Inventor's Signature | Date |
| Residence Phoenix, AZ (City, State) | Citizenship USA (Country) |
| Post Office Address 15827 S. 27 th Way Phoenix, AZ 85048 | |

APPENDIX A

Ramin Aghevli, Reg. No. 43,462; William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; William Thomas Babbitt, Reg. No. 39,591; Jordan Michael Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Jae-Hee Choi, Reg No. 45,288; Thomas M. Coester, Reg. No. 39,637; Robert P. Cogan, Reg. No. 25,049; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Mimi Diemmy Dao, Reg. No. 45,628; Dennis M. deGuzman, Reg. No. 41,702; Stephen M. De Klerk, Reg. No. 46,503; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Justin M. Dillon, Reg. No. 42,486; Sanjeet Dutta, Reg. No. 46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; George Fountain, Reg. No. 37,374; Andre Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Melissa A. Haapala, Reg No. 47,622; Alan Heimlich, Reg. No. 48,808; James A. Henry, Reg. No. 41,064; Libby H. Ho, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steve Laut, Reg. No. 47,736; George Brian Leavell, Reg. No. 45,436; Samuel S. Lee, Reg. No. 42791; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Julio Loza, Reg. No. 47,758; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Richard A. Nakashima, Reg. No. 42,023; Stephen Neal Reg. No. 47,815; Chun M. Ng, Reg. No. 36,878; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; Michael A. Proksch, Reg. No. 43,021; Randol W. Read, Reg. No. 43,876; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Jeffrey S. Schubert, Reg. No. 43,098; Saina Shamilov, Reg. No. 48,266; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Ronald S. Tamura, Reg. No. 43,179; Edwin H. Taylor, Reg. No. 25,129; Lance A. Termes, Reg. No. 43,184; John F. Travis, Reg. No. 43,203; Kerry P. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Tom Van Zandt, Reg. No. 43,219; Brent Vecchia, Reg No. 48,011; Lester J. Vincent, Reg. No. 31,460; Archana B. Vittal, Reg. No. 45,182; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Charles P. Landrum, Reg. No. 46,855; Suk S. Lee, Reg. No. 47,745; and Raul Martinez, Reg. No. 46,904, Brent E. Vecchia, Reg. No. 48,011; Lehua Wang, Reg. No. P48,023; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and Alan K. Aldous, Reg. No. 31,905; Ed Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert A. Burtzlaff, Reg. No. 35,466; Richard C. Calderwood, Reg. No. 35,468; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; Jeffrey B. Huter, Reg. No. 41,086; John Kacvinsky, Reg. No. 40,040; Seth Z. Kalson, Reg. No. 40,670; David J. Kaplan, Reg. No. 41,105; Peter Lam, Reg. No. 44,855; Anthony Martinez, Reg No. 44,223; Paul Nagy, Reg. No. 37,896; Dennis A. Nicholls, Reg. No. 42,036; Leo V. Novakoski, Reg. No. 37,198; Lanny Parker, Reg. No. 44,281; Thomas C. Reynolds, Reg. No. 32,488; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells; Reg. No. 43,256 and Charles K. Young, Reg. No. 39,435, my patent agents, of INTEL CORPORATION; and James R. Thein, Reg. No. 31,710, my patent attorney; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

APPENDIX B

Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

| | (1) | Prior art cited in search reports of a foreign patent office in a counterpart application, and |
|--------------------|-----------|--|
| | | The closest information over which individuals associated with the filing or prosecution of a |
| _patent ap | olication | believe any pending claim patentably defines, to make sure that any material information |
| e contained | therein | is disclosed to the Office. |
| aruns' | | |
| JI (| b) Und | er this section, information is material to patentability when it is not cumulative to information |
| already of | record | or being made of record in the application, and |
| al | 100014 | o. Sonig made of robota in the approximation and |
| | (4) | It establishes, by itself or in combination with other information, a prima facie case of |
| | 111 | il establishes. Dy itself of the combination with other information, a prima racie case of |

- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.
- (e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

unpatentability of a claim; or